

ABSTRACT OF THE DISCLOSURE

A frame DWT unit makes subband segmentation of input moving image data in units of frames. Also, a field DWT unit makes subband segmentation of input moving image data in units of fields. First subbands obtained by the frame DWT unit undergo an arithmetic process, and a discrimination unit (104) determines based on a first arithmetic value obtained by the arithmetic process if the frame or field DWT unit is applied to the input moving image data.